



Forest Insect & Disease Management

Report No. 80-3-42

Issued on: 9-11-80

AERIAL DETECTION SURVEY OF FOREST
INSECT AND DISEASE ACTIVITY, PISGAH
NATIONAL FOREST, NORTH CAROLINA

: LAND OWNERSHIP OR SURVEY AREA: Pisgah National Forest, Catawba, Grandfather,
Pisgah & Toecane Ranger Districts
STATE: North Carolina
AREA WITHIN SURVEY BOUNDARY: : 879,853 acres
DATE: 9-4-80
PERCENT COVERAGE: 50%
AIRCRAFT: Cessna 210
CREW: E.T. Wilson, T.P. Russell
REPORT PREPARED BY: E.T. Wilson

SURVEY OBJECTIVES

To detect the presence of forest insect and/or disease activity adversely affecting the timber resources within the survey area.

SURVEY RESULTS

An infestation of the introduced pine sawfly, Diprion similis was observed defoliating white pine, Pinus strobus, over a 15,000 acre area of private land within the boundary of the Grandfather Ranger District. Actual acres of defoliation by class are listed in table 1. One spot of possible southern pine beetle containing ten trees were observed.

CONCLUSIONS

A biological control effort is currently in progress against the infestation of introduced pine sawfly, Diprion similis, occurring on the Grandfather Ranger District by personnel from the Asheville Field Office, FI&DM.

For additional information, contact:

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SOUTHEASTERN AREA, STATE & PRIVATE FORESTRY
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Table 1: White pine defoliation, Pisgah National Forest, Grandfather Ranger District

<u>Defoliation Class</u>	<u>Acres Defoliated</u>
Light	1,362
Medium	1,171
Heavy	122
Total	2,655